

# INTERNATIONAL SEARCH REPORT

Int **nal** Application No

PCT/IB 03/05753

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L1/06 H04L27/26

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>EUNSEOK KO ET AL: "Improved transmit diversity using space-time block coding for OFDM systems"</p> <p>MILITARY COMMUNICATIONS CONFERENCE. MILCOM 2002. PROCEEDINGS. ANAHEIM, CA, OCT. 7 - 10, 2002, IEEE MILITARY COMMUNICATIONS CONFERENCE, NEW YORK, NY: IEEE, US, vol. 1 OF 2, 7 October 2002 (2002-10-07), pages 1034-1038, XP010631919</p> <p>ISBN: 0-7803-7625-0</p> <p>the whole document</p> <p style="text-align: center;">---</p> <p style="text-align: center;">-/--</p>	1-7

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
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- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

16 April 2004

Date of mailing of the international search report

26/04/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/093805 A (HIRAMATSU KATSUHIKO ;MIYOSHI KENICHI (JP); SUMASU ATSUSHI (JP); MA) 21 November 2002 (2002-11-21) the whole document -& EP 1 300 971 A (MATSUSHITA ELECTRIC INDUSTRIAL CO.,LTD.) 9 April 2003 (2003-04-09) -----	1-7
A	OUYANG X ET AL: "Optimal antenna diversity combining for IEEE 802.11a system" IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, IEEE INC. NEW YORK, US, vol. 48, no. 3, August 2002 (2002-08), pages 738-742, XP002272132 ISSN: 0098-3063 the whole document -----	1-7

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02093805	A	21-11-2002	JP 2002344415 A	29-11-2002
			CN 1462519 T	17-12-2003
			EP 1300971 A1	09-04-2003
			WO 02093805 A1	21-11-2002
			US 2003144033 A1	31-07-2003